Peggy A Cotter

List of Publications by Year
in descending order

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72 papers	5,602 citations	81900 39 h-index	85541 71 g-index
75 all docs	75 docs citations	75 times ranked	4751 citing authors

#	Article	IF	Citations
1	Caspase-11 Protects Against Bacteria That Escape the Vacuole. Science, 2013, 339, 975-978.	12.6	456
2	A widespread family of polymorphic contact-dependent toxin delivery systems in bacteria. Nature, 2010, 468, 439-442.	27.8	292
3	c-di-GMP-mediated regulation of virulence and biofilm formation. Current Opinion in Microbiology, 2007, 10, 17-23.	5.1	286
4	Bordetella pertussis pathogenesis: current and future challenges. Nature Reviews Microbiology, 2014, 12, 274-288.	28.6	279
5	Ectopic expression of the flagellar regulon alters development of the bordetella-host interaction. Cell, 1995, 80, 611-620.	28.9	251
6	Reverse Transcriptase-Mediated Tropism Switching in Bordetella Bacteriophage. Science, 2002, 295, 2091-2094.	12.6	247
7	Type VI Secretion: Not Just for Pathogenesis Anymore. Cell Host and Microbe, 2010, 8, 2-6.	11.0	207
8	A mutation in the Bordetella bronchiseptica bvgS gene results in reduced virulence and increased resistance to starvation, and identifies a new class of Bvgâ€regulated antigens. Molecular Microbiology, 1997, 24, 671-685.	2.5	173
9	Phosphorelay control of virulence gene expression in Bordetella. Trends in Microbiology, 2003, 11, 367-373.	7.7	163
10	Modulation of host immune responses, induction of apoptosis and inhibition of NF-kappaB activation by the Bordetella type III secretion system. Molecular Microbiology, 2000, 35, 991-1004.	2.5	156
11	Bacterial Virulence Gene Regulation: An Evolutionary Perspective. Annual Review of Microbiology, 2000, 54, 519-565.	7.3	146
12	Filamentous Hemagglutinin ofBordetella bronchisepticaIs Required for Efficient Establishment of Tracheal Colonization. Infection and Immunity, 1998, 66, 5921-5929.	2.2	141
13	Probing the Function ofBordetella bronchisepticaAdenylate Cyclase Toxin by Manipulating Host Immunity. Infection and Immunity, 1999, 67, 1493-1500.	2.2	126
14	Aerobic regulation of cytochrome d oxidase (cydABâ€f) operon expression in Escherichia coli: roles of Fnr and ArcA in repression and activation. Molecular Microbiology, 1997, 25, 605-615.	2.5	125
15	Contribution of the fnr and arcA gene products in coordinate regulation of cytochrome o and d oxidase (cyoABCDE and cydAB) genes in Escherichia coli. FEMS Microbiology Letters, 1992, 91, 31-36.	1.8	119
16	Multiple Roles for Bordetella Lipopolysaccharide Molecules during Respiratory Tract Infection. Infection and Immunity, 2000, 68, 6720-6728.	2.2	113
17	Comparative analysis of the virulence control systems of Bordetella pertussis and Bordetella bronchiseptica. Molecular Microbiology, 1996, 22, 895-908.	2.5	109
18	Pertactin Is Required forBordetellaSpecies To Resist Neutrophil-Mediated Clearance. Infection and Immunity, 2010, 78, 2901-2909.	2.2	108

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19	Identification and characterization of BipA, a Bordetella Bvg-intermediate phase protein. Molecular Microbiology, 2001, 39, 65-78.	2.5	105
20	The Burkholderia bcpAIOB Genes Define Unique Classes of Two-Partner Secretion and Contact Dependent Growth Inhibition Systems. PLoS Genetics, 2012, 8, e1002877.	3.5	100
21	Interbacterial signaling via Burkholderia contact-dependent growth inhibition system proteins. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8296-8301.	7.1	94
22	Pregenomic Comparative Analysis betweenBordetella bronchisepticaRB50 andBordetella pertussisTohama I in Murine Models of Respiratory Tract Infection. Infection and Immunity, 1999, 67, 6109-6118.	2.2	88
23	Neither the Bvg ^{â^'} Phase nor the vrg6 Locus of Bordetella pertussis Is Required for Respiratory Infection in Mice. Infection and Immunity, 1998, 66, 2762-2768.	2.2	86
24	Role of Bordetella bronchiseptica Fimbriae in Tracheal Colonization and Development of a Humoral Immune Response. Infection and Immunity, 2000, 68, 2024-2033.	2.2	84
25	Bordetella filamentous hemagglutinin plays a critical role in immunomodulation, suggesting a mechanism for host specificity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18578-18583.	7.1	83
26	Prolonged Afebrile Nonproductive Cough Illnesses in American Soldiers in Korea: A Serological Search for Causation. Clinical Infectious Diseases, 2000, 30, 534-539.	5.8	80
27	Diversity in the Bordetella virulence regulon: transcriptional control of a Bvg-intermediate phase gene. Molecular Microbiology, 2001, 40, 669-683.	2.5	75
28	<scp>B</scp>urkholderiaâ€¦<scp>BcpA</scp> mediates biofilm formation independently of interbacterial contactâ€dependent growth inhibition. Molecular Microbiology, 2013, 89, 1213-1225.	2.5	75
29	Topology and maturation of filamentous haemagglutinin suggest a new model for twoâ€partner secretion. Molecular Microbiology, 2006, 62, 641-654.	2.5	73
30	Kind Discrimination and Competitive Exclusion Mediated by Contact-Dependent Growth Inhibition Systems Shape Biofilm Community Structure. PLoS Pathogens, 2014, 10, e1004076.	4.7	68
31	Contribution of the fnr and arcA gene products in coordinate regulation of cytochrome o and d oxidase (cyoABCDE and cydAB) genes in Escherichia coli. FEMS Microbiology Letters, 1992, 91, 31-36.	1.8	66
32	New insight into the molecular mechanisms of two-partner secretion. Trends in Microbiology, 2007, 15, 508-515.	7.7	65
33	Contribution of Bordetella Filamentous Hemagglutinin and Adenylate Cyclase Toxin to Suppression and Evasion of Interleukin-17-Mediated Inflammation. Infection and Immunity, 2012, 80, 2061-2075.	2.2	56
34	Bordetellafilamentous hemagglutinin and fimbriae: critical adhesins with unrealized vaccine potential. Pathogens and Disease, 2015, 73, ftv079.	2.0	53
35	Evaluation of the Role of the Bvg Intermediate Phase in Bordetella pertussis during Experimental Respiratory Infection. Infection and Immunity, 2005, 73, 748-760.	2.2	50
36	In vivo and ex vivo regulation of bacterial virulence gene expression. Current Opinion in Microbiology, 1998, 1, 17-26.	5.1	47

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37	Comparative Phenotypic Analysis of the Bordetella parapertussis Isolate Chosen for Genomic Sequencing. Infection and Immunity, 2002, 70, 3777-3784.	2.2	47
38	Naturalâ€host animal models indicate functional interchangeability between the filamentous haemagglutinins of Bordetella pertussis and Bordetella bronchiseptica and reveal a role for the mature Câ€terminal domain, but not the RGD motif, during infection. Molecular Microbiology, 2009, 71, 1574-1590.	2.5	45
39	BvgA functions as both an activator and a repressor to control Bvgi phase expression of bipA in Bordetella pertussis. Molecular Microbiology, 2005, 56, 175-188.	2.5	40
40	Are CDI Systems Multicolored, Facultative, Helping Greenbeards?. Trends in Microbiology, 2017, 25, 391-401.	7.7	38
41	Role of BvgA phosphorylation and DNA binding affinity in control of Bvg-mediated phenotypic phase transition inBordetella pertussis. Molecular Microbiology, 2005, 58, 700-713.	2.5	37
42	Bordetella PlrSR regulatory system controls BvgAS activity and virulence in the lower respiratory tract. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1519-E1527.	7.1	37
43	<scp>NaxD</scp> is a deacetylase required for lipid <scp>A</scp> modification and <scp>F</scp>rancisella pathogenesis. Molecular Microbiology, 2012, 86, 611-627.	2.5	36
44	Host Adaptation Predisposes Pseudomonas aeruginosa to Type VI Secretion System-Mediated Predation by the Burkholderia cepacia Complex. Cell Host and Microbe, 2020, 28, 534-547.e3.	11.0	34
45	Characterization of the Filamentous Hemagglutinin-Like Protein FhaS in Bordetella bronchiseptica. Infection and Immunity, 2005, 73, 4960-4971.	2.2	31
46	Autoregulation Is Essential for Precise Temporal and Steady-State Regulation by the Bordetella BvgAS Phosphorelay. Journal of Bacteriology, 2007, 189, 1974-1982.	2.2	31
47	New Insight into Filamentous Hemagglutinin Secretion Reveals a Role for Full-Length FhaB in Bordetella Virulence. MBio, 2015, 6, .	4.1	28
48	Cooperative Roles for Fimbria and Filamentous Hemagglutinin inBordetellaAdherence and Immune Modulation. MBio, 2015, 6, e00500-15.	4.1	26
49	The prodomain of the <scp>B</scp>ordetella twoâ€partner secretion pathway protein <scp>FhaB</scp> remains intracellular yet affects the conformation of the mature <scp>C</scp>â€terminal domain. Molecular Microbiology, 2012, 86, 988-1006.	2.5	22
50	Functional Characterization of Burkholderia pseudomallei Trimeric Autotransporters. Infection and Immunity, 2013, 81, 2788-2799.	2.2	22
51	Bordetella adenylate cyclase toxin interacts with filamentous haemagglutinin to inhibit biofilm formation in vitro. Molecular Microbiology, 2017, 103, 214-228.	2.5	22
52	Comparison of bipA Alleles within and across Bordetella Species. Infection and Immunity, 2003, 71, 3043-3052.	2.2	21
53	Discovery of Inhibitors of Burkholderia pseudomallei Methionine Aminopeptidase with Antibacterial Activity. ACS Medicinal Chemistry Letters, 2013, 4, 699-703.	2.8	21
54	Three Distinct Contact-Dependent Growth Inhibition Systems Mediate Interbacterial Competition by the Cystic Fibrosis Pathogen Burkholderia dolosa. Journal of Bacteriology, 2018, 200, .	2.2	19

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55	BordetellaFilamentous Hemagglutinin, a Model for the Two-Partner Secretion Pathway. Microbiology Spectrum, 2019, 7, .	3.0	18
56	Characterization of BcaA, a Putative Classical Autotransporter Protein in Burkholderia pseudomallei. Infection and Immunity, 2013, 81, 1121-1128.	2.2	16
57	Laboratory Maintenance of Bordetella pertussis. Current Protocols in Microbiology, 2009, 15, Unit 4B.1.	6.5	15
58	Regulated, sequential processing by multiple proteases is required for proper maturation and release of Bordetella filamentous hemagglutinin. Molecular Microbiology, 2019, 112, 820-836.	2.5	15
59	Serendipitous Discovery of an Immunoglobulin-Binding Autotransporter in Bordetella Species. Infection and Immunity, 2008, 76, 2966-2977.	2.2	14
60	Molecular syringes scratch the surface. Nature, 2011, 475, 301-303.	27.8	14
61	Evidence for phenotypic bistability resulting from transcriptional interference of <scp>bvgAS</scp> in <scp>B</scp>ordetella bronchiseptica. Molecular Microbiology, 2013, 90, 716-733.	2.5	14
62	Microbial Pathogenesis: Mechanisms of Infectious Disease. Cell Host and Microbe, 2007, 2, 214-219.	11.0	12
63	The effect of iron limitation on expression of the aerobic and anaerobic electron transport pathway genes in Escherichia coli. FEMS Microbiology Letters, 1992, 100, 227-232.	1.8	12
64	Genetic Regulation of Airway Colonization by Bordetella Species. American Journal of Respiratory and Critical Care Medicine, 1996, 154, S150-S154.	5.6	11
65	The BvgS PAS Domain, an Independent Sensory Perception Module in the Bordetella bronchiseptica BvgAS Phosphorelay. Journal of Bacteriology, 2019, 201, .	2.2	10
66	CDI/CDS system-encoding genes of Burkholderia thailandensis are located in a mobile genetic element that defines a new class of transposon. PLoS Genetics, 2019, 15, e1007883.	3.5	9
67	An Improved Recombination-BasedIn VivoExpression Technology-Like Reporter System Reveals DifferentialcyaAGene Activation in Bordetella Species. Infection and Immunity, 2013, 81, 1295-1305.	2.2	8
68	DegP Initiates Regulated Processing of Filamentous Hemagglutinin in Bordetella bronchiseptica. MBio, 2021, 12, e0146521.	4.1	6
69	Genetic Analysis of the Bordetella-Host Interaction. Annals of the New York Academy of Sciences, 1996, 797, 65-76.	3.8	4
70	Burkholderia thailandensis: Growth and Laboratory Maintenance. Current Protocols in Microbiology, 2016, 42, 4C.1.1-4C.1.7.	6.5	2
71	Bordetella Filamentous Hemagglutinin, a Model for the Two-Partner Secretion Pathway. , 2019, , 319-328.		1
72	My Experience with SARS-CoV-2, with a Focus on Testing. Journal of Clinical Microbiology, 2020, 58, .	3.9	0